

Table 16
EM61 MK 2 Geophysical Survey DQO's
Mojave Gunnery Range C
Kern County, California

DQO	Measure	Method for Data Evaluation
Background Noise	Standard deviation for dynamic data of less than 1 mV on channel 3 for areas without identified targets.	Use Geosoft QA/QC module to calculate the standard deviation of the selected data.
Instrument Latency	No observed latency effects (chevrons or saw-tooth patterns)	Review daily mini-validation for evaluation and removal of system latency.
Processing	Does not change the anomaly amplitude by more than 10 percent.	Calculate the difference between the raw and leveled and data to evaluate the difference between the raw and corrected response.
Sampling Density	Sample point separation will not exceed more than 20 cm for 98 percent of the data.	Use Geosoft QA/QC module to calculate the sample density for each dataset.
Coverage (for grid data only)	The maximum separation between lanes for grid data will be 1 meter (based on the observed target response from adjacent profiles in the GPO data).	Use Geosoft QA/QC module to calculate the system footprint based on the sensor size and location. Maintain no more than a 2 percent error in data coverage for all accessible areas within any specified grid.
Anomaly Selection	No MEC-like anomaly shall be undetected at a shallower depth as determined from the GPO results. These results indicated that the minimum threshold for selecting data on channel 2 will be 1.5 mV with a minimum anomaly half-width of 0.20 meters as based on the 20mm ordnance item at 6-inches bgs. Additionally all targets greater than 3.5 mV on the summed data channels 1 through 4 should also be considered targets. Final anomaly selection criteria for a given MRA will be based on the GPO results of the smallest suspected munition and on-site daily validation results.	All channel 2 peaks above 1.5 mV and summed channels 1 through 4 above 3.5 mV will be selected using the Blakely and/or the automated profile target selection modules within the Geosoft QA/QC module and the Target Size module.
Reacquisition	95 percent of all reacquired targets will lie within 37 cm (1.2 ft) of the target location marked in the field.	Distances between the reacquired location and item location will be surveyed using RTK GPS and/or measured in the field.



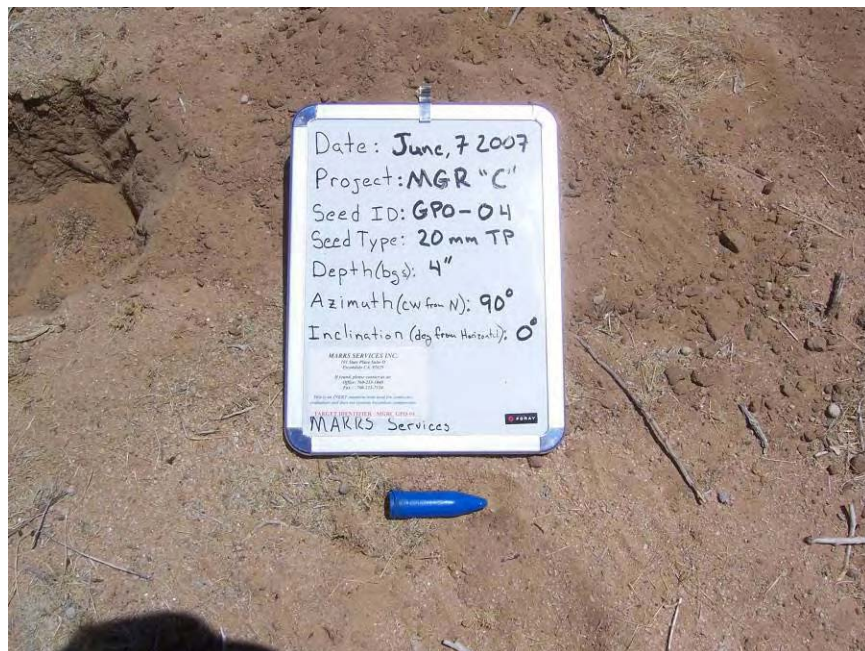
GPO Seed Item #1 - 20mm Projectile



GPO Seed Item #2 - 20mm Projectile



GPO Seed Item #3 - 20mm Projectile



GPO Seed Item #4 - 20mm Projectile



GPO Seed Item #5 – 20mm Projectile



GPO Seed Item #6 – 20mm Projectile



GPO Seed Item #7 - 2.25" SCAR Rocket Motor



GPO Seed Item #8 – 2.25" SCAR Rocket Motor



GPO Seed Item #9 – 2.25" SCAR Rocket Motor



GPO Seed Item #10 – 2.25" SCAR Rocket Motor



GPO Seed Item #11 – 2.75” Folding Fin Aircraft Rocket (FFAR)



GPO Seed Item #12 – 2.75” Folding Fin Aircraft Rocket (FFAR)



GPO Seed Item #13 – 2.75” Folding Fin Aircraft Rocket (FFAR)



GPO Seed Item #14 – 2.75” Folding Fin Aircraft Rocket (FFAR)



GPO Seed Item #15 –5” High Velocity Aircraft Rocket (HVAR) Warhead



GPO Seed Item #16 – 20mm Projectile



GPO Seed Item #17 – 5” High Velocity Aircraft Rocket (HVAR) Warhead



GPO Seed Item #18 – 20mm Projectile